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CELERY CULTIVAR EVALUATION TRIALS - 1997

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Celery Cultivar Trial 1997
Dr. Richard L. Hassell
Mrs. Cindy Wallace

Objective: Evaluate the potential for new and improved cultivars or breeding lines for commercial production on the muck soils of Michigan and Ohio.

Methods Seed requests were solicited from seed companies early February for entry in this trial. From those requests we received sixty nine entries in the main trials and an additional nine entries in the later planting from six major seed producers. The main trial was seeded March 10th in the greenhouse located at the Wooster Ohio location. Seed was placed in Landmark 288 square deep plug trays using Metro Mix 360 as the soilless media. Once plants had germinated and established the first true leaf, a continuous fertilizer program was begun using Peters liquid fertilizer (15-16-17) at the rate of 50ppm at the end of eight weeks plants were removed from the trays and placed into wood baskets for transport to the Muck Crops Branch in Willard for field transplanting. The same procedure was used for the later seeding of nine cultivars seeded on May 5th.

Field preparation was done in early April. This consisted of field plowing (8" deep), broadcasting 800 lb (17-17-17) then disked in. Plots were then disked and flooded for final preparation just prior to transplanting. Plots were selected based on the fusarium pressure. The fusarium ground has had celery every year for the past sixteen years which results in severe pressure. The non-fusarium ground has not had celery for the past sixteen years. Transplanting was accomplished using a two row Old Made Holland base root transplanter. Plots consisted of two rows 20 ft long, 30 inches between rows, replicated three times and randomly placed within the blocks. Plants were placed six inches within rows. Pesticides were applied as needed to ensure weed, insect, and disease control. Irrigation was applied when needed to ensure no plants were exposed to stress. Plants were side dressed with 60 units of nitrogen twice during the growing cycle using calcium nitrate as the source of nitrogen. Harvests were done by hand on August 12th and 13th for the main trial and October 6th for the late trial. Samples were removed from the middle ten foot section of each row and evaluated for fusarium tolerance and horticulturally acceptable characteristics.

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Results: Samples from the previous years cultivars trial were shipped to California for Fusarium Race II confirmation and analyses. Results were received in later summer which confirms a more variant strain of Fusarium Race II. Therefore, as you review the results this needs to be kept in mind. This spring was relatively cool which stimulates a number of cultivars to send up seed stalks. This has been noted in the results. Cultivars that show the most promise are: 5-94 P1/OSU, Pic Plus 95/SCH, XP166, VTR 1901, VTR 1979-1, XP 266, XP-166.

Acknowledgement

Thank you to the OVSFRDP for their financial support to this project and also the Michigan Celery Research Board for their financial support.

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Table 1a: Celery Cultivar Trial

Cultivar	Source	Pybas * Fusarium Ratings	Visual* Fusarium Ratings	Cut* Fusarium Ratings	Total wt./plant (lbs)	Trimmed wt./plant (lbs)	Stalk Diameter (in)	Outside Petiole length (in)	Height (in)	Comments
5-94 P1/OSU	Pybas	1.67	1.70	1.20	2.43	1.78	4.50	7.70	24	no seeders, good size petioles, a lot of suckers, ribbed a lot of internal suckers, possible future
5-94 P2/OSU	Pybas	1.0	1.00	2.30	2.68	1.71	3.42	9.30	24	no seeders, suckers both internal & external, no size long petioles, ribbed celery
5-94 P3/OSU	Pybas	3.0	1.80	2.20	2.18	1.50	3.33	9.00	22	no seeders, internal suckers, ribbed celery, no size, no future
5-94 P4/OSU	Pybas	2.7	1.00	2.50	2.32	1.60	3.25	8.30	25	no seeders, a lot of external suckers, skinny ribs fair size
56A P1/OSU	Pybas	1.3	1.00	1.75	2.41	1.80	4.25	8.25	18	no seeders, horizontal cracking, very meaty thick petiole very full heart
56AP3/OSU	Pybas	3.0	2.30	3.00	1.68	1.24	3.00	7.80	18	5% seeders, not very uniform, no size, smooth ribs no future
66 P2/OSU	Pybas	2.0	1.00	2.70	2.22	1.71	3.50	7.00	23	no seeders, ribbed celery, grows open, no heart no future
XP 166 P1/OSU	Pybas	3.0	1.00	1.80	2.55	1.76	5.50	8.30	24	7% seeders, ribbed, horizontal cracking, a lot of extern suckers, thick petioles
XP 166 P2/OSU	Pybas	3.57	1.50	2.80	2.04	1.49	3.25	7.80	18	7% seeders, ribbed, non-uniform plants, very skinny petioles
XP 166 P3/OSU	Pybas	1.43	1.20	2.00	2.69	1.90	3.50	9.70	22	no seeders, ribbed celery, long thin petioles, no size, no future
XP 166 P1/SCH	Pybas	1.67	1.00	2.20	2.24	1.62	4.00	9.70	24	no seeders, thick ribs, very brittle, horizontal cracking
XP 166 P2/SCH	Pybas	3.00	1.80	3.00	1.88	1.45	3.80	7.80	20	no seeders, ribbed celery, thick petioles, non-uniform plants
XP 166 P3/SCH	Pybas	3.53	3.80						16	not harvested
XP 85 P2/OSU	Pybas	3.33	2.00	2.70	2.14	1.49	3.80	8.00	16	no seeders, small celery, thick petioles, non-uniform plants
XP 83 P3/OSU	Pybas	3.23	2.20	2.50	2.23	1.72	3.70	8.00	18	no seeders, grows open, ribbed celery, medium thick petioles
MSU-SHK5	Pybas	3.33	1.70	3.00	1.94	1.44	3.30	8.30	18	no seeders, very small size plants, a lot of suckers
109-1/OSU	Pybas	4.00	4.00							not harvested
109-2 P1/OSU	Pybas	2.43	1.30	2.30	2.00	1.55	3.42	7.80	19	no seeders, grows open, smooth ribbed, a lot of sucker thick petioles
109-2 P2/OSU	Pybas	2.63	1.00	2.00	2.21	1.51	3.50	8.50	17	no seeders, ribbed celery, grows open, no size of weigh very small plants
109-2 P3/OSU	Pybas	2.57	1.42	2.20	2.04	1.52	3.80	9.00	19	no seeders, smooth ribbed celery, suckers, brittle horizontal cracking, no future
109-2/SCH	Pybas	2.33	1.30	1.80	1.90	1.54	3.80	8.00	18	no seeders, grows open, very few suckers, horizontal cracking, may be for processing
93A P1/SCH	Pybas	2.43	1.30	1.70	2.57	1.92	3.80	9.00	22	8% celery, ribbed celery, very brittle, grows open, thick petioles
93A P3/SCH	Pybas	3.03	2.30	2.50	2.55	1.91	3.70	8.30	20	no seeders, a lot of suckers, very thick petioles
PIC PLUS 95/SCH	Pybas	1.80	1.25	2.00	2.26	1.80	4.00	9.00	23	no seeders, ribbed celery, very compact and firm looks real good

* Fusarium Ratings: 1=none, 5=dead

Seeded: March 10, 1997

Transplanted: May 5, 1997

Harvested: August: 12&13, 1997

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Table 1b: Celery Cultivar Trial

Cultivar	Source	Pybas * Fusarium Ratings	Visual* Fusarium Ratings	Cut* Fusarium Ratings	Total wt./plant (lbs)	Trimmed wt./plant (lbs)	Stalk Diameter (in)	Outside Petiole length (in)	Height (in)	comments
48 E1 P1/SCH	Pybas	4.90	4.30							not harvested
48 E2 P2/SCH	Pybas	2.63	2.00	2.70	1.80	1.33	3.70	8.30	19	no seeders, a lot of suckers, ribbed celery cracking, no future
48-2 P1/SCH	Pybas	3.00	1.30	2.20	1.94	1.47	3.30	7.70	20	no seeders, ribbed celery, grows open, shinny petioles
72-92 P2/OSU	Pybas	2.23	1.50	2.00	2.44	1.59	3.80	8.00	21	5% seeders, thick petioles, a lot of suckers, ribbed, a lot of internal suckers, thick petioles, horizontal crackin
72-94 P2/OSU	Pybas	2.50	1.00	2.00	2.53	1.85	3.50	8.30	20	5% seeders, a lot of suckers, a lot of internal suckers, horizontal cracking, smooth ribbed
72-94 P3/OSU	Pybas	2.20	1.20	1.80	2.56	1.74	3.30	7.70	16	3.3% seeders, a lot of suckers, smooth ribbed, no size
66-D-2	Pybas	1.33	1.00	1.50	2.31	1.70	3.70	9.00	20	no seeders, thin petioles, ribbed celery, grows open a lot of vertical and horizontal cracking
XP 166	Pybas	1.90	1.50	1.80	2.38	1.71	3.80	9.80	26	7% seeders, very thick petioles, long petioles, a lot of suckers, ribbed celery, horizontal cracking
PICADOR	Pybas	2.87	1.50	2.50	1.97	1.37	3.70	9.3	20	no seeders, a lot of suckers, grows open, a lot of internal suckers, thin petioles, no future
93A	Pybas	3.23	2.30	2.30	2.22	1.64	4.00	8.00	20	7% seeders, ribbed celery, a lot of suckers, vertical cracking, no future
109-K-2	Pybas	2.80	1.50	2.20	2.63	1.85	3.70	11.70	24	no seeders, a lot of suckers, long & skinny petioles, ribbed celery no future
56-209	Pybas	2.00	1.50	2.00	2.02	1.52	3.50	10.00	24	no seeders, ribbed celery, excellent size, thick petioles
PYB 107	Pybas	3.00	1.80	2.20	2.27	1.74	3.50	8.00	20	no seeders, smooth ribbed celery, thick petioles, a lot of suckers,
XP 85	Pybas	2.90	1.70	3.00	2.63	1.83	4.10	8.70	20	no seeders, a lot of suckers, ribbed celery grows open, thick petioles,
63-209	Pybas	3.85	1.30	2.00	2.44	1.69	3.20	8.00	18	no seeders, a lot of suckers, small petioles, horizontal cracking, ribbed celery
65-209	Pybas	2.57	1.80	1.80	1.96	1.42	3.50	7.00	18	no seeders, some internal suckers, short petioles, a lot of suckers, no size
PIC PLUS	Pybas	2.13	1.30	2.20	2.07	1.60	3.50	8.70	16	12% seeders, ribbed celery, no size, grows open
62-HD	Pybas	1.77	1.00	1.50	2.93	2.14	4.10	8.00	22	no seeders, ribbed celery, thick petioles, internal suckers, looks good
U.C. PROMISE	VTR	4.77	4.30							not harvested
VTR 1096	VTR	3.97	4.00							not harvested
VTR 1325	VTR	4.30	4.00							not harvested
VTR 1702	VTR	4.30	4.00							not harvested
VTR 1758	VTR	3.67	3.00	2.50	15.13	11.55	3.25	7.50	16	no seeders, ribbed celery, thick petioles, internal cracking no future
VTR 1901	VTR	3.57	3.30	2.70	14.97	10.65	3.30	8.00	18	no seeders, horizontal cracking, ribbed celery, a lot of suckers,

* Fusarium Ratings: 1=none, 5=dead

Seeded: March 10, 1997

Transplanted: May 5, 1997

Harvested: August 12&13, 1997

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Table 1c: Celery Cultivar Trial

Cultivar	Source	Pybas * Fusarium Ratings	Visual* Fusarium Ratings	Cut* Fusarium Ratings	Total wt./plant (lbs)	Trimmed wt./plant (lbs)	Stalk Diameter (in)	Outside Petiole length (in)	Height (in)	comments
VTR 1917	VTR	3.43	1.50	2.70	20.90	15.95	3.50	8.30	18	no seeders, ribbed celery, very small plants, no future
VTR 1919	VTR	5.00	4.30							not harvested
VTR 1979-1	VTR	2.43	1.00	2.00	19.80	15.82	4.00	8.30	20	no seeders, smooth ribbed celery, nice size, thick petioles
PROMISE	UC-DAVIS	4.67	4.30							not harvested
UC390S-2	UC-DAVIS	3.80	3.00	3	19.10	13.97	3.70	8.00	21	no seeders, a lot of suckers, ribbed celery, no future
UC862S	UC-DAVIS	4.57	4.00							not harvested
FL 1431B	Michigan	3.53	2.50	2.50	17.00	13.35	3.20	7.50	17	3% seeders, smooth ribbed celery, very small plants no future
FL 1417B	Michigan	3.33	3.30	3.00	16.80	14.56	4.00	7.00	15	7% seeders, small plants, no future
Comet	Peto Seed	3.33	2.30	3.00	20.70	15.35	3.10	6.50	17	no seeders, non-uniform, very brittle, smooth ribbed, thick petioles, no future
Peto 285	Peto Seed	3.43	2.00	3.00	17.20	12.90	2.80	7.30	18	no seeders, ribbed celery, no size, skinny petioles, no future
SVR 5117	Peto Seed	3.00	1.50	3.00	21.00	16.53	3.50	7.00	16	no seeders, smooth ribbed celery, thick petioles, horizontal cracking
SVR 5121	Peto Seed	3.00	1.50	2.50	16.35	13.30	3.50	8.00	17	no seeders, smooth ribbed celery, no size
SVR 14892	Peto Seed	4.20	3.30	2.50	17.70	14.90	3.25	8.00	17	no seeders, grows open, ribbed celery, horizontal cracking no future
SVR 273495	Peto Seed	3.33	1.70	3.00	21.47	15.15	4.20	9.70	22	no seeders, ribbed celery, pointed but, horizontal cracking, a lot of external cracking, thick petioles
SVR 285195	Peto Seed	2.50	2.00	3.00	19.73	15.85	4.00	8.00	18	no seeders, grows open, ribbed celery, excellent size
SVR 0292	Peto Seed	2.77	1.70	2.30	22.40	17.78	3.42	8.20	16	no seeders, smooth ribbed celery, a lot of vertical and horizontal cracking,
XP-85	Rispens	3.00	1.80	2.50	20.12	14.72	3.80	8.50	19	no seeders, plants are not uniform, ribbed celery no future
XP-93A	Rispens	2.57	2.20	2.50	22.02	15.52	4.20	7.30	16	7% seeders, ribbed celery, thick petioles, a lot of suckers, no future
XP-266	Rispens	3.23	2.30	3.00	18.73	14.52	3.70	8.00	18	no seeders, non-uniform, grows open, thick petioles
XP-166	Rispens	2.00	1.30	1.80	27.38	20.13	3.70	9.50	22	3% seeders, thick petioles, ribbed celery, excellent size, possible future
Florida 683 K Strain	Rispens	5.00	5.00	5.00						not harvested

* Fusarium Ratings: 1=none, 5=dead

Seeded: March 10, 1997

Transplanted: May 5, 1997

Harvested: August 12&13, 1997

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Table 2a: Celery Cultivar Trial (non-fusarium ground)

Cultivar	Source	Pybas * Fusarium Ratings	Visual* Fusarium Ratings	Cut* Fusarium Ratings	Total wt./plant (lbs)	Trimmed wt./plant (lbs)	Stalk Diameter (in)	Outside Petiole length (in)	Height (in)	Comments
5-94 P1/OSU	Pybas	1.00	1.00	1.00	2.88	1.88	3.50	11.00	22.00	5% seeders, light green, no heart, long petioles ribbed celery
5-94 P2/OSU	Pybas	1.00	1.00	1	2.76	2.81	3.5	10	26	no seeders, light green, a lot of suckers, not much heart some horizontal, cracking
5-94 P3/OSU	Pybas	1.00	1.00	1	3.60	1.99	4.5	11	24	7% seeders, light green, long thick petioles, horizontal cracking, ribber celery, internal suckers
5-94 P4/OSU	Pybas	1.00	1.00	1	3.11	2.17	4	11	28	12% seeders, light green, long thick petioles, internal suckering, ribbed celery
56A P1/OSU	Pybas	1.00	1.00	1	2.76	2.01	3.5	8	21	no seeders, dark green, a lot of suckers, thin petioles some horizontal cracking
56AP3/OSU	Pybas	1.00	1.00	2	3.02	2.11	4.5	9	22	30% seeders, dark green, grows more open, ribbed
66 P2/OSU	Pybas	1.00	1.00	1	2.37	1.84	4.5	9	22	no seeders, dark green, not a lot of heart, ribbed celery
XP 166 P1/OSU	Pybas	1.00	1.00	1	2.04	1.51	3.5	8	20	5% seeders, dark green, very brittle
XP 166 P2/OSU	Pybas	1.00	1.00	1	3.08	2.30	4	9	20	8% seeders, dark green, smooth ribbed celery, horizontal cracking, very thick petioles, looks good
XP 166 P3/OSU	Pybas	1.00	1.00	1.5	2.68	1.91	5	8	20	5% seeders, light green, grows open, ribbed celery horizontal cracking
XP 166 P1/SCH	Pybas	1.00	1.00	1.5	3.25	2.33	5	9	29	no seeders, light green, ribbed celery, no suckers, thick petioles, some horizontal cracking
XP 166 P2/SCH	Pybas	1.00	1.00	1	2.70	1.98	4	10	24	no seeders, dark green, no suckers, ribbed celery grows open
XP 166 P3/SCH	Pybas	1.00	1.00	1	3.30	2.39	5	10	24	2% seeders, dark green, very thick petioles, ribbed
XP 85 P2/OSU	Pybas	1.00	1.00	1	3.29	2.34	5	8	24	3% seeders, dark green, ribbed celery, thick petioles, excellent size
XP 83 P3/OSU	Pybas	1.00	1.00	1	3.12	2.37	5	9	22	no seeders, dark green, thick ribbed celery, internal suckers
MSU-SHK5	Pybas	1.00	1.00	1	3.30	2.11	5	8	20	no seeders, light green, a lot of suckers, ribbed celery, thick petioles, some internal suckers
72-94 P3	Pybas	1.00	1.00	1	3.01	1.94	4.5	8	20	no seeders, dark green, a lot of suckers, thick petioles
66-D-2	Pybas	1.00	1.00	1	3.19	2.15	3.5	13	24	2% seeders, light green, ribbed celery, very brittle, grows open, long petioles
PICADOR	Pybas	1.00	1.00	1	3.68	2.31	3.5	13	30	20% seeders, light green, very tall, a lot of suckers, very long thick petioles
109-K-2	Pybas	1.00	1.00	1	3.01	2.25	5	11	20	no seeders, light green, long thick petioles, smooth ribbed celery some internal suckers
PYB 107	Pybas	1.00	1.00	1	3.20	2.26	5	9	26	7% seeders, dark green, smooth ribbed celery, thick petioles, some internal suckers
63-209	Pybas	1.00	1.00	1	3.61	2.49	5	9	24	no seeders, dark green, a lot of suckers, ribbed celery, some horizontal cracking
65-209	Pybas	1.00	1.00	1	2.81	1.91	4.5	8	21	no seeders, dark green, a lot of suckers, smooth ribbed short petiole length, good size heart, internal suckers
PIC PLUS	Pybas	1.00	1.00	1.5	2.09	1.47	2.5	9	16	10% suckers, dark green, grows open, ribbed celery no future

* Fusarium Ratings: 1=none, 5 Dead

Seeded: March 10, 1997

Transplanted: May 5, 1997

Harvested: August 12&13, 1997

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Table 2b: Celery Cultivar Trial (non-fusarium ground)

Cultivar	Source	Pybas * Fusarium Ratings	Visual* Fusarium Ratings	Cut* Fusarium Ratings	Total wt./plant (lbs)	Trimmed wt./plant (lbs)	Stalk Diameter (in)	Outside Petiole length (in)	Height (in)	comments
62-HD	Pybas	1.00	1.00	1.00	31.75	21.05	4.5	9	22	3% seeders, light green, a lot of suckers, ribbed celery horizontal cracking
VTR 1096	VTR	1.00	1.00	1.00	28.05	19.65	4	11	20	12% seeders, light green, smooth ribbed celery, internal suckers, horizontal cracking, thick petioles
VTR 1325 TYPE	VTR	1.00	1.00	2.00	29.60	20.15	5	7	22	22% seeders, light green, short thick petioles, smooth ribbed celery, horizontal & vertical cracking, brittle
VTR 1702	VTR	1.00	1.00	2.50	31.00	21.25	4	9	21	3% seeders, light green, a lot of suckers, ribbed celery horizontal cracking, medium petiole thickness
VTR 1758	VTR	1.00	1.00	1.00	29.30	19.80	4.5	9	21	2% seeders, light green, a lot of suckers, ribbed celery
VTR 1901	VTR	1.00	1.00	1.00	35.25	25.35	5	9	22	no seeders, light green, a lot of suckers, ribbed celery, looks good
VTR 1917	VTR	1.00	1.00	1.00	36.40	25.20	3.5	8.5	22	6% seeders, light green, a lot of suckers, thin petioles horizontal & vertical cracking, grows open
VTR 1919	VTR	1.00	1.00	1.00	26.95	19.05	4	8	18	6% seeders, dark green, a lot of suckers, ribbed celery,
VTR 1979-1	VTR	1.00	1.00	1.00	34.90	23.45	5	9	24	no seeders, dark green, internal suckers, smooth ribbed thick petioles
PROMISE	UC-DAVIS	1.00	1.00	1.00	26.30	19.70	5.5	8	19	no seeders, light green, grows open, brittle, horizontal cracking
UC390S-2	UC-DAVIS	1.00	1.00	1.00	24.05	17.40	4	9	20	no seeders, dark green, grows open, a lot of suckers, smooth ribbed, thick petioles
UC862S	UC-DAVIS	1.00	1.00	1.00	30.45	20.60	4.5	4	23	no seeders, dark green, horizontal cracking, smooth ribbed celery
FL 1431B	Michigan	1.00	1.00	1.00	32.60	23.80	5.5	6.5	15	10% seeders, dark green, short thick petioles
FL 1417B	Michigan	1.00	1.00	2.00	25.75	19.6	4	7	18	6% seeders, dark green, thin petioles, a lot of suckers
Comet	Peto Seed	1.00	1.00	1.00	29.90	21.20	5	9	20	3% seeders, light green, smooth ribbed, internal suckers thick petioles
Peto 285	Peto Seed	1.00	1.00	1.00	31.25	21.3	4.5	9	24	no seeders, light green, a lot of suckers, brittle, ribbed vertical cracking
SVR 14892	Peto Seed	1.00	1.00	1.00	31.50	21.30	4	8	24	no seeders, light green, ribbed celery, a lot of suckers large heart
SVR 273495	Peto Seed	1.00	1.00	1.00	33.10	22.30	4	10	27	no seeders, dark green, vertical & horizontal cracking, ribbed celery
SVR 0292	Peto Seed	1.00	1.00	1.00	25.75	20.90	4.50	8	18	no seeders, light green, smooth ribbed celery
XP-85	Rispens	1.00	1.00	1.00	33.25	22.50	4.5	11	24	3% seeders, dark green, off types, ribbed celery, a lot of horizontal & vertical cracking
XP-93A	Rispens	1.00	1.00	1.00	31.35	21.60	4.00	10	21	23% seeders, dark green, grows open, ribbed celery, thin petioles
XP-266	Rispens	1.00	1.00	1.00	32.95	24.10	4.00	10	24	3% seeders, dark green, very long petioles, ribbed
XP-166	Rispens	1.00	1.00	1.00	26.40	19.50	3.50	11	21	no seeders, dark green, grows open, no heart, vertical cracking
Florida 683 K Strain	Rispens	3.00	3.00	3.00	27.50	19.90	5	7	20	6% seeders, light green, a lot of suckers, short petioles full heart, looks good

* Fusarium Ratings: 1=none, 5=dead

Seeded: March 10, 1997

Transplanted: May 5, 1997

Harvested: August 12&13, 1997

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Table 3a: Celery Cultivar Trial

<i>Cultivar</i>	<i>Source</i>	<i>Visual* Fusarium Ratings</i>	<i>Cut* Fusarium Ratings</i>	<i>Total wt./plant (lbs)</i>	<i>Trimmed wt./plant (lbs)</i>	<i>Stalk Diameter (in)</i>	<i>Outside petiole leng (in)</i>	<i>Comments</i>
FL14143B	Michigan	3.00	3.50	2.20	1.71	3.20	6.80	very small, a lot of disease pressure
FL14171B	Michigan	2.80	3.30	2.09	1.71	3.54	6.30	very uniform plants, some disease but acceptable
FL14172B	Michigan	3.20	3.25	1.92	1.58	3.45	7.00	non-uniform plants, a lot of small plants, horizontal cracking
FL14174B	Michigan	2.70	3.42	1.79	1.44	3.40	6.70	poor quality celery, thin petioles
FL14311B	Michigan	2.50	3.00	2.58	1.81	3.55	6.50	best in the plot, acceptable to harvest
FL14312B	Michigan	3.30	3.30	1.63	1.31	3.51	7.20	a lot of disease pressure
FL14318B	Michigan	4.00						not harvested
FL14538B	Michigan	3.50	4.00	2.00	1.63	3.02	6.00	only able to harvest one rep.
Florida 683	Rispen	5.00						not harvested

∞ *Fusarium Ratings: 1=none, 5=dead

Seeded: May 5, 1997

Transplanted: June 26, 1997

Harvested : October 6, 1997

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Table 3b: Celery Cultivar Trial (non-fusarium ground)

<i>Cultivar</i>	<i>Source</i>	<i>Visual* Fusarium Ratings</i>	<i>Cut* Fusarium Ratings</i>	<i>Total wt./plant (lbs)</i>	<i>Trimmed wt./plant (lbs)</i>	<i>Stalk Diameter (in)</i>	<i>Outside tiole leng (in)</i>	<i>Comments</i>
FL14143B	Michigan	1.00	2.20	2.98	2.23	3.75	7.00	Thin petioles, open growth, pithy, no future
FL14171B	Michigan	1.00	1.20	3.29	2.64	4.74	5.80	short thick petioles, uniform, big heart,
FL14172B	Michigan	1.00	1.50	3.42	2.58	3.98	7.70	thick petioles, uniform, big heart, some horizontal cracking
FL14174B	Michigan	1.00	1.50	2.92	2.31	3.77	6.70	thick petioles, grows open, horizontal cracking no future
FL14311B	Michigan	1.00	2.30	3.18	2.47	3.61	6.70	non-uniform plants, a lot of off types, horizontal cracking no future
FL14312B	Michigan	1.00	1.00	3.23	2.44	3.91	7.00	non-uniform plants, a lot of off types, horizontal cracking thick petioles, grows open, no future
FL14318B	Michigan	1.00	1.00	3.35	2.78	4.04	7.00	Thick petioles, heavy heart, short, horizontal cracking, shows alot of promise
FL14538B	Michigan	1.00	2.50	3.22	2.54	4.30	7.80	non-uniform plants, a lot of small plants, horizontal cracking, grows open
Florida 683	Rispens	2.00	2.50	2.43	1.82	3.50	6.00	shows a lot of desease!!

*Fusarium Ratings: 1=none, 5=dead

Seeded: May 5, 1997

Transplanted: June 26, 1997

Harvested : October 6, 1997

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